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16138  
U.S.PTO

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	090936.0479
First Inventor	Thomas E. Owen
Title	Compensated * see attached
Express Mail Label No.	EV352386985US

<b>APPLICATION ELEMENTS</b> See MPEP chapter 600 concerning utility patent application contents.	<b>ADDRESS TO:</b> Commissioner for Patents Mail Stop Patent Application P. O. Box 1450, Alexandria, VA 22313
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1.  Fee Transmittal Form (e.g., PTO/SB/17)  
*(Submit an original and a duplicate for fee processing)*
2.  Applicant claims small entity status.  
 See 37 CFR 1.27.
3.  Specification [Total Pages 11]  
*(preferred arrangement set forth below)*
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings *(if filed)*
  - Detailed Description
- Claim(s) [ Total Sheets 5 ]
- Abstract of the Disclosure [ Total Sheets 1 ]
4.  Drawing(s) (35 U.S.C. 113) [ Total Sheets 1 ]
5. Oath or Declaration [ Total Pages   ]
- a.  Newly executed (original or copy)
- b.  Copy from a prior application (37 CFR 1.63 (d))  
*(for continuation/divisional with Box 18 completed)*
- i.  **DELETION OF INVENTOR(S)**  
 Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6.  Application Data Sheet. See 37 CFR 1.76

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all necessary)*
  - a.  Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  paper
  - c.  Statements verifying identity of above copies
- ACCOMPANYING APPLICATION PARTS**
9.  Assignment Papers (cover sheet & document(s))
10.  37 CFR 3.73(b) Statement  Power of Attorney *(when there is an assignee)*
11.  English Translation Document *(if applicable)*
12.  Information Disclosure Statement&PTO-1449 (3 pgs)  Copies of IDS Citations(non-patent)
13.  Preliminary Amendment
14.  Return Receipt Postcard (MPEP 503) *(Should be specifically itemized)*
15.  Certified Copy of Priority Document(s) *(if foreign priority is claimed)*
16.  Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17.  Other: .....

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

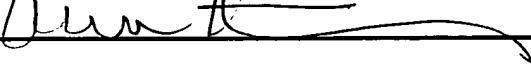
Continuation    Divisional    Continuation-in-part (CIP)   of prior application No.: \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label				or	<input type="checkbox"/> Correspondence address below
Name					
Address					
City		State		Zip Code	
Country		Telephone		Fax	

Name (Print/Type)	Ann C. Livingston	Registration No. (Attorney/Agent)	32,479	
Signature			Date	1/8/04

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**Addendum Sheet 1****\*Question 4 Addendum**4.a. Drawings are  formal  informal**\* Question 5 Addendum**5.c.  An unsigned oath or declaration is included.**\* Question 8 Addendum**8.d.  A sequence submission will follow.**\* Question 9 Addendum**9.a.  Assignment documents will follow.9.b.  Assignment documents have been filed in  
parent application No.**\* Question 11 Addendum**11.a.  English translation will follow.**\* Question 12 Addendum**12.a.  Copies of IDS citations will follow.**\* Question 15 Addendum**15.a.  Certified copies of priority documents will follow.15.b.  Certified copies of priority documents have been filed in parent  
application No.

Use the space below for additional information

The accompanying application claims the benefit of U.S. Provisional Application Serial No. 60/439,319 filed January 10, 2003.

This invention was made under a contract with the U.S. Department of Energy, Contract No. DE-FC21-96MC33033.

Title (continued):

Compensated Infrared Absorption Sensor for Carbon Dioxide and Other Infrared Absorbing Gases

16138 U.S. PTO  
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BAKER BOTTS LLP

# FEE TRANSMITTAL for FY 2004

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 439)

## Complete if Known

Application Number	unknown
Filing Date	January 8, 2004
First Named Inventor	Thomas E. Owen
Examiner Name	unknown
Group Art Unit	unknown
Attorney Docket No.	090936.0479

## METHOD OF PAYMENT

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:  
 Deposit Account Number **50-2148**  
 Deposit Account Name **Baker Botts LLP**
- Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17
- Applicant claims small entity status. See 37 CFR 1.27
2.  Payment Enclosed:  
 Check  Credit card  Money Order  Other

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity	Small Entity	Fee (\$)	Fee (\$)	Fee Description	Fee Paid
.770	385	Utility filing fee		385	
330	165	Design filing fee			
510	255	Plant filing fee			
740	370	Reissue filing fee			
160	80	Provisional filing fee			
SUBTOTAL (1) (\$ 385)					

## 2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
26	20 ** = 6	x 9	= 54
2	3 ** = 0	x 43	= 0
Multiple Dependent			

Large Entity	Small Entity	Fee (\$)	Fee (\$)	Fee Description
18	9	Claims in excess of 20		
86	43	Independent claims in excess of 3		
280	140	Multiple dependent claim, if not paid		
84	42	** Reissue independent claims over original patent		
18	9	** Reissue claims in excess of 20 and over original patent		
SUBTOTAL (2) (\$ 54)				

\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee (\$)	Fee (\$)	Fee Description	Fee Paid
130	65	Surcharge - late filing fee or oath			
50	25	Surcharge - late provisional filing fee or cover sheet			
130	130	Non-English specification			
2,520	2,520	For filing a request for <i>ex parte</i> reexamination			
920*	920*	Requesting publication of SIR prior to Examiner action			
1,840*	1,840*	Requesting publication of SIR after Examiner action			
110	55	Extension for reply within first month			
400	200	Extension for reply within second month			
920	460	Extension for reply within third month			
1,440	720	Extension for reply within fourth month			
1,960	980	Extension for reply within fifth month			
320	160	Notice of Appeal			
320	160	Filing a brief in support of an appeal			
280	140	Request for oral hearing			
1,510	1,510	Petition to institute a public use proceeding			
110	55	Petition to revive - unavoidable			
1,280	640	Petition to revive - unintentional			
1,280	640	Utility issue fee (or reissue)			
460	230	Design issue fee			
620	310	Plant issue fee			
130	130	Petitions to the Commissioner			
50	50	Processing fee under 37 CFR 1.17(q)			
180	180	Submission of Information Disclosure Stmt			
40	40	Recording each patent assignment per property (times number of properties)			
740	370	Filing a submission after final rejection (37 CFR § 1.129(a))			
740	370	For each additional invention to be examined (37 CFR § 1.129(b))			
740	370	Request for Continued Examination (RCE)			
900	900	Request for expedited examination of a design application			
Other fee (specify) _____					

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0)

SUBMITTED BY		Complete (if applicable)		
Name (Print/Type)	Anh C. Livingston	Registration No. (Attorney/Agent)	32,479	Telephone
Signature	<i>Anh C. Livingston</i>	Date	1/8/04	

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Thomas E. Owen

Date Filed: January 8, 2004

Title: COMPENSATED INFRARED ABSORPTION  
SENSOR FOR CARBON DIOXIDE AND  
OTHER INFRARED ABSORBING GASES

Mail Stop Patent Application  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

CERTIFICATE OF MAILING BY EXPRESS MAIL

I hereby certify that the attached Patent Transmittal, Fee Transmittal, Patent Application, and Formal Drawings are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on this 8th day of January, 2004, and is addressed to the Mail Stop Patent Application, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

  
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Jay Howard

Express Mail Receipt  
No. EV352386985US  
Attorney's Docket:  
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